

CLEAN COPY OF CLAIMS AFTER AMENDMENT

Claim 1 is amended, as follows:

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A1

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1. (Amended) A light source comprising:
a light emitting component which emits light; and
a phosphor-containing material positioned to receive
light emitted by the light emitting component, the
phosphor-containing material converting at least a
portion of the light to light of a different wavelength,
the phosphor-containing material having a thickness which
varies in relation to an intensity of the light emitted by
the light emitting component, whereby the uniformity of
color emission is improved as compared with a uniform
thickness layer.

Claim 10 is amended, as follows:

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B2

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10. (Amended) A light source comprising:
a light emitting component which emits light; and
a phosphor-containing material positioned to receive
light emitted by the light emitting component and
converting a portion of the light to light of a different
wavelength, the phosphor-containing material having a
thickness which varies in proportion to the light passing
through the phosphor material, the thickness being greater
in regions where the intensity of the light emitted by the
light emitting component is higher and lesser in regions
where the intensity of the light emitted by the light
emitting component is lower.

Claim 12 is amended, as follows:

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12. (Amended) A light source of comprising:
a light emitting component which emits light; and
a phosphor-containing material positioned to receive
light emitted by the light emitting component and

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contd.

converting a portion of the light to light of a different wavelength, the phosphor-containing material having a thickness which is greater in regions where the intensity of the light emitted by the light emitting component is higher and lesser in regions where the intensity of the light emitted by the light emitting component is lower, the phosphor-containing material being formed from a material which includes:

a phosphor; and

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a light-curable material which is cured by light emitted by the light emitting component.

Claim 18 is amended, as follows:

18. (Amended) A method of improving color distribution of a light source emission, the method comprising:

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forming a layer of a phosphor-containing curable material over a light emitting component;

energizing the light emitting component for a sufficient period of time to cure a portion of the curable material; and

removing remaining uncured curable material.

New claim 23 is added, as follows:

23. (New) A light source with improved color distribution comprising:

a light emitting component which emits light; and

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a phosphor-containing material positioned to receive light emitted by the light emitting component and converting a portion of the light to light of a different wavelength, the phosphor-containing material having a thickness which is greater in regions where the intensity of the light emitted by the light emitting component is higher and lesser in regions where the intensity of the

light emitted by the light emitting component is lower, the phosphor containing layer being formed by a method which comprises:

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25 cm.

forming a layer of a phosphor-containing curable material over the light emitting component;

energizing the light emitting component for a sufficient period of time to cure a portion of the curable material; and

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removing remaining uncured curable material.
